

TRANSMITTAL FORM

Application No.:	09/642,267
Filing Date:	August 18, 2000
First Named Inventor:	Kenneth R. Goguen et al
Confirmation No.	7447
Group Art Unit	2857
Examiner:	Baran, Mary C.
Customer No.	24227
Total Number of Pages in this Submission:	12
Docket No.	7447

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Authorization for the Commissioner to charge Deposit Account No. 05-0889 for fees associated with this transaction (in duplicate)	<input type="checkbox"/> Assignment <input type="checkbox"/> Recordation Cover Sheet	<input type="checkbox"/> Petition for Revival of an Unintentionally Abandoned Application [37 CFR 1.137(b)] (in duplicate)
<input type="checkbox"/> Amendment/Response	<input checked="" type="checkbox"/> Request for Customer Number Association Change	<input checked="" type="checkbox"/> Recording of Assignment document (Copy); Patent Assignment document (Copy)
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<input type="checkbox"/> Affidavits/Decl.	<input checked="" type="checkbox"/> Statement under 37 CFR 3.73b	<input type="checkbox"/> Express Abandonment Request
<input type="checkbox"/> Extension of Time Request for ___ Months (in duplicate)	<input type="checkbox"/> Formal Drawings	<input type="checkbox"/> Terminal Disclaimer
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<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Copy of PTO 948, "Notice of Draftsperson's Patent Review"	<input checked="" type="checkbox"/> Certificate of First Class Mailing
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Certificate of Express Mail Mailing
	<input type="checkbox"/> Additional Enclosures:	<input checked="" type="checkbox"/> Postcard

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Date	June 6, 2006	Penelope Wilson
		Penelope Wilson, Esq. (Reg. No. 29,751)
		EMC Corporation
		Office of the General Counsel
		176 South Street
		Hopkinton, MA 01748

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8]

I hereby certify that this correspondence and the above-referenced enclosures are being:

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Date	6.6.06	Signature
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Joseph D'Angelo

Typed or printed name of person signing certificate



PATENT
EMC-00-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:	Kenneth R. Goguen et al	GROUP ART UNIT:	2857
U.S.S.N.:	09/642,267	CONFIRMATION NO.:	7447
FILING DATE:	August 18, 2000	EXAMINER:	Baran, Mary C.
		CUSTOMER NO.	24227
TITLE:	<i>Output Performance Trends of a Mass Storage System</i>		

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 6, 2006.

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Sir:

Please associate this application with Customer Number 24227.

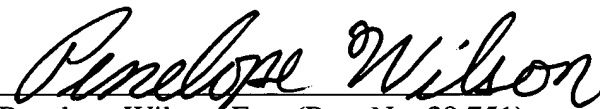
Applicant: Kenneth R. Goguen, *et al.*
U.S.S.N.: 09/642,267
Filing Date: August 18, 2000
EMC Docket No.: EMC-00-002

In the event the Examiner deems personal contact desirable in the disposition of this case, the Examiner is invited to call the undersigned attorney at (508) 293-7998.

Please charge all fees occasioned by this submission to Deposit Account No. 05-0889.

Respectfully submitted,

Dated: June 6, 2006



Penelope Wilson, Esq. (Reg. No. 29,751)

Attorney for Applicants

EMC Corporation

Office of General Counsel

176 South Street

Hopkinton, MA 01748

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Facsimile: (508) 293-7189



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**POWER OF ATTORNEY
AND
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INDICATION FORM**

Application Number	09/642,267
Filing Date	August 18, 2000
First Named Inventor	Kenneth R. Goguen et al
Title	Output Performance Trends of a Mass Storage System
Art Unit	2857
Examiner Name	Baran, Mary C.
Attorney Docket Number	EMC-00-002

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24227

OR

☐ Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)***SIGNATURE of Applicant or Assignee of Record**

Signature	<i>Krishnendu Gupta</i>	Date	6-5-06
Name	Krishnendu Gupta, Reg. No. 37,977	Telephone	508 293 6654
Title and Company	Associate General Counsel, Intellectual Property, EMC Corporation		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Kenneth R. Goguen et alApplication No./Patent No. 09/642,267 Filed/Issue Date: August 18, 2000Entitled: Output Performance Trends of a Mass Storage SystemEMC Corporation

a

Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

- A. ☒ An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 011319, Frame 0706, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.
[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Krishnendu Gupta
Signature6-5-06

Date

Krishnendu Gupta, Reg. No. 37,977

Printed or Typed Name

508 293 6654

Telephone Number

Associate General Counsel, Intellectual Property, EMCCorporation

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Washington, D.C. 20231

GAL

FEBRUARY 17, 2001

Hale and Dorr LLP

FISH & RICHARDSON P.C.
GARY A. WALPERT
225 FRANKLIN STREET
BOSTON, MA 02110-2804



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100157-142

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RECORDATION DATE: 11/27/2000

REEL/FRAME: 011319/0706
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

GOGUEN, KENNETH R.

DOC DATE: 11/20/2000

ASSIGNOR:

LALLY, MAUREEN A.

DOC DATE: 11/20/2000

ASSIGNOR:

LEFFERTS, JOHN W.

DOC DATE: 11/20/2000

ASSIGNOR:

HALE, PAUL F.

DOC DATE: 11/20/2000

ASSIGNEE:

EMC CORPORATION
171 SOUTH STREET
HOPKINTON, MASSACHUSETTS 01748-9103

SERIAL NUMBER: 09642267

FILING DATE: 08/18/2000

PATENT NUMBER:

ISSUE DATE:

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No Docketing Required
Reviewed by Practice Systems
Initials KYM On 2/23/01

FEB 23 2001

FISH & RICHARDSON, P.C.
BOSTON OFFICE



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ASSIGNMENT DIVISION
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RECORDATION FORM COVER SHEET PATENTS ONLY

Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Kenneth R. Goguen, Maureen A. Lally, John W. Lefferts, Paul F. Hale Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): EMC CORPORATION 171 South Street Hopkinton, MA 01748-9103 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: November 20, 2000	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: November 20, 2000 A. Patent Application No(s): 09/642,267 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: GARY A. WALPERT Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Gary A. Walpert Reg. No. 26,098 Name of Person Signing	 Signature Reg. No. 35,306
	November 21, 2000 Date
Total number of pages including coversheet, attachments and document: 4	

20145104.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

November 21, 2000
Date of Deposit

Signature

Robyn Lecsse
Typed Name of Person Signing Certificate

ASSIGNMENT

For valuable consideration, we, KENNETH R. GOGUEN of Berlin, MA, MAUREEN A. LALLY of Berlin, MA, JOHN N. LEFFERTS of Sutton, MA, PAUL F. HALE of Hudson, MA, hereby assign to EMC CORPORATION, a Massachusetts corporation having a place of business at:

171 South Street

Hopkinton, Massachusetts 01748-9103

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of application serial number 09/642,267, filed August 18, 2000, for United States Patent signed by us, entitled OUTPUT PERFORMANCE TRENDS OF A MASS STORAGE SYSTEM; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA,
this 20th day of NOVEMBER, 2000.
Kenneth R. Goguen L.S.
KENNETH R. GOGUEN

State of MASSACHUSETTS :
: ss.
County of MIDDLESEX :

Before me this 20th day of NOVEMBER, 2000, personally appeared KENNETH R. GOGUEN known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Angela F. Muise
Notary Public
My Commission Expires:

[Notary's Seal Here]

ANGELA F. MUISE
Notary Public
My Commission Expires February 12, 2004

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA
this 20 day of November, 2000.
Maureen A Lally L.S.
MAUREEN A. LALLY

State of MASSACHUSETTS :
County of MIDDLESEX :

Before me this 20th day of NOVEMBER, 2000, personally appeared MAUREEN A. LALLY known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Angela F. Muise
Notary Public
My Commission Expires:

[Notary's Seal Here]

ANGELA F. MUISE
Notary Public
My Commission Expires February 12, 2004

WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA
this 20 day of November, 2000.
John X. Lefferts L.S.
JOHN X. LEFFERTS

State of MASSACHUSETTS :
County of MIDDLESEX :

Before me this 20 day of NOVEMBER, 2000, personally appeared JOHN X. LEFFERTS known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Angela F. Muise
Notary Public
My Commission Expires:

[Notary's Seal Here]

ANGELA F. MUISE
Notary Public
My Commission Expires February 12, 2004

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton, MA
this 5th day of NOVEMBER, 2000.
Paul F. Hale L.S.
PAUL F. HALE

State of MASSACHUSETTS :
: SS.
County of MIDDLESEX :

Before me this 20th day of NOVEMBER, 2000, personally appeared PAUL F. HALE
known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he
executed the same as his free act and deed for the purposes therein contained.

Angela F. Muise
Notary Public
My Commission Expires:

[Notary's Seal Here]

ANGELA F. MUISE
Notary Public
My Commission Expires February 12, 2004

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